

PATENT ABSTRACTS OF JAPAN

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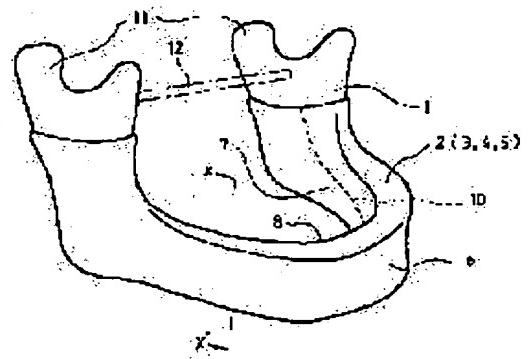
(21)Application number : 10-064095 (71)Applicant : KOIZUMI MASAYUKI
(22)Date of filing : 27.02.1998 (72)Inventor : KOIZUMI MASAYUKI

(54) CHIN MODEL FOR DENTAL IMPLANT OPERATION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a chin model for dental implant operation suitable for education or training dental implant operation.

SOLUTION: A chin model with a reproduced shape/style of a chin is composed of an artificially reproduced chin bone 1 and an artificial inter-mouth soft tissue 2 composed of rubber materials for reproducing the intra-mouth soft tissue around the chin bone. As the intra-mouth soft tissue 2, an artificial bone membrane 3 for reproducing the bone membrane, artificial gum 4 for reproducing a gum and artificial mucous membrane 5 for reproducing a mucous membrane are provided. Around the artificial chin bone 1, the artificial inter-mouth soft tissue 2 composed of the artificial bone membrane 3, artificial gum 4 and artificial mucous membrane 5 is formed. Concerning such the chin model, an optical molding model formed by optical molding is used as the artificial chin bone 1 and the artificial intra-mouth soft tissue 2 composed of the artificial bone membrane 3, artificial gum 4 and artificial mucous membrane 5 is formed so as to cover all the surface around the artificial chin bone 1.



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CLAIMS

[Claim(s)]

[Claim 1] In the jaw model for a dental implant embedding operation which it has the following, and the tissue 2 in an artificial mouth cavity which changes from the false periosteum 3, the false gum 4, and the false membrane 5 to the surroundings of the above-mentioned false jaw 1 is formed, and changes, as the above-mentioned false jaw 1 The jaw model for a dental implant embedding operation characterized by forming the tissue 2 in an artificial mouth cavity which consists of the false periosteum 3, the false gum 4, and the false membrane 5 so that the surrounding whole surface of the above-mentioned false jaw 1 may be covered while the Mitsuzo form model formed by the Mitsuzo form method is used. The false jaw 1 which is a jaw model reproducing the configuration and gestalt of a jaw, and reproduced the jaw The false periosteum 3 which consisted of the tissue 2 in an artificial mouth cavity which consists of gum ingredients reproduced supposing the tissue in the oral cavity around a jaw, and was reproduced as the above-mentioned tissue 2 in an artificial mouth cavity supposing the periosteum False gum 4 reproduced supposing gum False membrane 5 reproduced supposing membrane

[Claim 2] The Mitsuzo form model formed by the Mitsuzo form method used as the above-mentioned false jaw 1 is a jaw model for a dental implant embedding operation according to claim 1 characterized by being formed based on CT image or MRI image of the patient who conducts a dental implant embedding operation.

[Claim 3] The false gum 4 in the tissue 2 in an artificial mouth cavity formed so that the whole surface of the above-mentioned false jaw 1 may be covered The urethane foam sheet 9 wound around the surroundings of the false jaw 1 about is used as a base material. It is formed by infiltrating a gum ingredient into this urethane foam sheet 9. Moreover The urethane foam sheet 9 used as the base material of the above-mentioned false gum 4 The jaw model for a dental implant embedding operation according to claim 1 or 2 characterized by being set as the location where the comparison location 10 at the time of winding around the false jaw 1 about fell caudad from **** 8 inside [7] the false jaw 1.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the jaw model used for the education of various operations in an odontotherapy, or training, and relates to the jaw model for a dental implant embedding operation suitable for the education and training of a dental implant embedding operation in more detail.

[0002]

[Description of the Prior Art] Various operations for an odontotherapy are conducted as everyone knows, the dental implant embedding operation for treating the gear tooth which suffered a loss as one in it is conducted, the above-mentioned dental implant embedding operation buries the implant (part used as the root of tooth) to a jaw, and the gear tooth which suffered a loss by equipping this buried implant with the up structure (part used as a gear tooth) is compensated.

[0003] Furthermore, the operations (incision, exfoliation, suture, etc.) to the tissue in the oral cavity and the operations (embedding of drilling and the implant etc.) to a jaw are required for the above-mentioned dental implant embedding operation, and various ingredients are used for the implant buried, and since its configuration and structure are also various, in order to conduct a dental implant embedding operation, many knowledge and the technique based on experience and it are required.

[0004] That is, in order to obtain the positive therapy result by the above-mentioned dental implant embedding operation, a way person's knowledge and improvement in the technique based on experience and it are indispensable, and use of the jaw model reappeared the configuration and the gestalt of the jaw used for the education of various operations in an odontotherapy or training is taken into consideration as an approach of realizing the acquisition and its improvement in knowledge required for the above-mentioned dental implant embedding operation, or experience and a technique there.

[0005] And as a jaw model reproducing the configuration and the gestalt of the jaw used for the education of various operations in the above-mentioned odontotherapy, or training, the jaw model as shown in JP,4-31594,B is known, and it consists of the body of a jaw model reproducing the external configuration of a jaw, and the tissue in an artificial mouth cavity reproducing the tissue in the oral cavity, and the above-mentioned jaw model forms the tissue in an artificial mouth cavity in the above-mentioned body of a jaw model, and grows into it.

[0006]

[Problem(s) to be Solved by the Invention] Since the tissue in the oral cavity around it is also reproduced and the above-mentioned conventional jaw model can be further reappeared to extent currently attached to the internal configuration of a jaw while the external configuration of a jaw is reproduced, it is useful to some extent in the education and training of various operations in an odontotherapy.

[0007] However, in order that a dental implant embedding operation might perform drilling to a jaw, embedding of the implant, etc., in order to perform the education and training, in addition to the external configuration of a jaw, the internal configuration was reproduced faithfully, to be close to an actual jaw was demanded, but the conventional jaw model was what does not reproduce the internal configuration of a jaw faithfully and is not suitable for the education or training of a dental implant embedding operation.

[0008] Furthermore, although the tissue in the oral cavity around a jaw is wide range to a dental implant embedding operation and needs to be reproduced in order to perform incision of the tissue in the oral cavity, exfoliation, a suture, etc. and to perform the education and training The reappearance of the tissue

in the oral cavity in the outside (transverse plane) of a jaw was thought as important, and the tissue in the oral cavity inside a jaw (rear face) was not fully reproduced, but the conventional jaw model was unsuitable for the education and training of a dental implant embedding operation also from this field. [0009]

[Objects of the Invention] Therefore, the place made into the purpose of this invention is to solve the trouble which the Prior art like **** has, and offer the jaw model for a dental implant embedding operation suitable for the education and training of a dental implant embedding operation. [0010]

[Means for Solving the Problem] In order to attain the above-mentioned purpose, this invention has the following technical means. Namely, if it explains using the sign used for the accompanying drawing corresponding to an example The false jaw 1 which is a jaw model reproducing the configuration and gestalt of a jaw, and reproduced the jaw. It consists of the tissue 2 in an artificial mouth cavity which consists of tissue 2 in an artificial mouth cavity The false periosteum 3 reproduced supposing the periosteum, and the false gum 4 reproduced supposing gum, In the jaw model for a dental implant embedding operation which it has the false membrane 5 reproduced supposing membrane, and the tissue 2 in an artificial mouth cavity which changes from the false periosteum 3, the false gum 4, and the false membrane 5 to the surroundings of the above-mentioned false jaw 1 is formed, and changes While the Mitsuzo form model formed by the Mitsuzo form method is used as the above-mentioned false jaw 1 It is the jaw model for a dental implant embedding operation characterized by forming the tissue 2 in an artificial mouth cavity which consists of the false periosteum 3, the false gum 4, and the false membrane 5 so that the surrounding whole surface of the above-mentioned false jaw 1 may be covered.

[0011] Furthermore, the Mitsuzo form model formed by the Mitsuzo form method used as the above-mentioned false jaw 1 is characterized by being formed based on CT image or MRI image of the patient who conducts a dental implant embedding operation.

[0012] Moreover, the false gum 4 in the tissue 2 in an artificial mouth cavity formed so that the whole surface of the above-mentioned false jaw 1 may be covered The urethane foam sheet 9 wound around the surroundings of the false jaw 1 about is used as a base material. It is formed by infiltrating a gum ingredient into this urethane foam sheet 9. And the comparison location 10 at the time of winding about the urethane foam sheet 9 used as the base material of the above-mentioned false gum 4 around the false jaw 1 is characterized by being set as the location which fell caudad from **** 8 inside [7] the false jaw 1. [0013]

[Function] This invention consists of the above-mentioned technical means, and the false jaw 1 which constitutes the jaw model for a dental implant embedding operation consists of the Mitsuzo form model formed by the Mitsuzo form method. The describing [above] Mitsuzo form method It is what performs three-dimensional molding by carrying out the laminating of the frozen layer which was made to solidify photo-curing resin in the shape of a layer, and was solidified in the shape of [this] a layer. The false jaw 1 which consists of the Mitsuzo form model which is equipped with the description that not only an objective external configuration but its internal configuration is reproducible, and was formed by this Mitsuzo form method Since not only the external configuration of a jaw but its internal configuration will be reproduced faithfully Drilling in the case of a dental implant embedding operation, embedding of the implant, etc. can be performed like an actual operation, and the jaw model for a dental implant embedding operation suitable for the education and training of a dental implant embedding operation is obtained.

[0014] In addition, by covering the surrounding whole surface of the false jaw 1 which constitutes the above-mentioned jaw model for a dental implant embedding operation by the false periosteum 3 which accomplishes the tissue 2 in an artificial mouth cavity, the false gum 4, and the false membrane 5 The tissue in the oral cavity around a jaw will be wide range, and it will reappear. Incision of the tissue in the oral cavity in the case of a dental implant embedding operation, It becomes possible to carry out like an operation actual also about exfoliation and a suture, and the jaw model for a dental implant embedding operation suitable for the education and training of a dental implant embedding operation is obtained.

[0015] Furthermore, by forming the Mitsuzo form model which accomplishes the above-mentioned false jaw 1 based on a patient's own CT image or own MRI image who conducts a dental implant embedding operation Since a patient's own jaw model for a dental implant embedding operation who conducts a dental implant embedding operation is obtained About a different dental implant embedding operation for every

patient, before the operation, it becomes possible to perform a simulation and the optimal and positive dental implant embedding operation for each patient can be conducted.

[0016] Moreover, since it is formed by infiltrating a gum ingredient into the urethane foam sheet 9 with which the false gum 4 in the above-mentioned tissue 2 in an artificial mouth cavity serves as a base material wound around the surroundings of the false jaw 1 about The texture of gum is reproduced good and moreover the comparison location 10 at the time of winding about the urethane foam sheet 9 used as the base material of the above-mentioned false gum 4 around the false jaw 1 By setting it as the location which fell caudad from **** 8 inside [7] the false jaw 1, there is no fear of the above-mentioned comparison location 10 barring the education and training of a dental implant embedding operation.

[0017]

[Example] Hereafter, the example of this invention is explained to a detail based on an accompanying drawing. The jaw model for a dental implant embedding operation of this invention As shown in drawing 1 , it consists of the tissue 2 in an artificial mouth cavity which reappeared supposing the tissue in the oral cavity around the false jaw 1 reproducing a jaw, and a jaw. The above-mentioned tissue 2 in an artificial mouth cavity As shown in drawing 2 , it has the periosteum, gum, the false periosteum 3 reproduced supposing each of membrane, the false gum 4, and the false membrane 5, and changes, and the case where a mandible is reproduced is illustrated in this example.

[0018] And it is constituted by the gum ingredient, it is formed so that the surrounding whole surface of the false jaw 1 may be covered, and the above-mentioned false gum 4 uses as a base material the urethane foam sheet 9 wound around the surroundings of the false jaw 1 about, and the tissue 2 in an artificial mouth cavity which consists of the above-mentioned false periosteum 3, the false gum 4, and the false membrane 5 is formed by infiltrating a gum ingredient into this urethane foam sheet 9.

[0019] Furthermore, the comparison location 10 at the time of winding about the urethane-foam sheet 9 used as the base material of the above-mentioned false gum 4 around the false jaw 1 is set as the location which fell caudad from **** 8 inside [7] the false jaw 1, and is set as the location which does not become the hindrance at the time of performing the education and training of incision of the tissue in the oral cavity in the case of a dental implant embedding operation, exfoliation, a suture, etc.

[0020] It is that for which the Mitsuzo form model formed by the Mitsuzo form method is used as the above-mentioned false jaw 1. And the describing [above] Mitsuzo form method It is what performs three-dimensional molding by carrying out the laminating of the frozen layer which was made to solidify photo-curing resin in the shape of a layer, and was solidified in the shape of [this] a layer. The false jaw 1 which consists of the Mitsuzo form model which was equipped with the description that not only an objective external configuration but its internal configuration is reproducible, and was formed by this Mitsuzo form method Not only the external configuration of a jaw but its internal configuration is reproduced faithfully, and the consistency of the bone in the interior of a jaw is reproducing the low part as space 13 in this example.

[0021] Furthermore, a patient's own jaw model for a dental implant embedding operation who conducts a dental implant embedding operation can be obtained by carrying out based on a patient's own CT image or own MRI image who forms the Mitsuzo form model which accomplishes the above-mentioned false jaw 1 for a dental implant embedding operation.

[0022] Next, an example of the formation approach of the above-mentioned jaw model for a dental implant embedding operation is explained. Since formation of the jaw model for a dental implant embedding operation of this invention is roughly divided into formation of the false jaw 1 reproducing a jaw, and formation of the tissue 2 in an artificial mouth cavity which reproduced the surroundings of a jaw supposing the tissue in the wrap oral cavity, it explains formation of the false jaw 1 first.

[0023] It is that to which formation of the above-mentioned false jaw 1 is performed by formation of the Mitsuzo form model by the Mitsuzo form method. The describing [above] Mitsuzo form method It is what performs three-dimensional molding by carrying out the laminating of the frozen layer which was made to solidify photo-curing resin in the shape of a layer, and was solidified in the shape of [this] a layer. Being able to reproduce not only an objective external configuration but its internal configuration, the false jaw 1 which consists of the Mitsuzo form model formed by this Mitsuzo form method is reproducing faithfully not only the external configuration of a jaw but its internal configuration.

[0024] And when forming the Mitsuzo form model which accomplishes the false jaw 1 by the describing [above] Mitsuzo form method, the homogeneous false jaw 1 suitable for the education and training of a

dental implant embedding operation can be obtained by preparing beforehand the cross-section configuration to which the laminating of the model used as the base of a common male and a common woman is carried out.

[0025] Furthermore, carrying out based on the own CT image or own MRI image of the patient who forms the Mitsuzo form model which accomplishes the false jaw 1 by the describing [above] Mitsuzo form method for a dental implant embedding operation is also taken into consideration, and a patient's own false jaw 1 who conducts a dental implant embedding operation in this case can be obtained.

[0026] And as photo-curing resin used in case the Mitsuzo form model which accomplishes the false jaw 1 by the describing [above] Mitsuzo form method is formed, the radical polymerization form urethane acrylate which is ultraviolet-rays hardenability resin, radical polymerization form epoxy acrylate, a cationic polymerization form epoxy resin, etc. are taken into consideration.

[0027] Moreover, although this example shows the false jaw 1 to which the consistency of the bone in the interior of a jaw reproduced the low part as space 13, in order to reproduce a bone with a low consistency to this space 13, being filled up with packing with which tactile feeling, hardness, etc. resemble the bone with a low consistency is also taken into consideration, and the near false jaw 1 is obtained by the actual jaw.

[0028] Subsequently, the surroundings of the above-mentioned false jaw 1 are explained about formation of the tissue 2 in a wrap artificial mouth cavity. The false periosteum 3 which reproduced the above-mentioned tissue 2 in an artificial mouth cavity supposing the periosteum, and the false gum 4 reproduced supposing gum, It has the false membrane 5 reproduced supposing membrane, and the false periosteum 3 and the false gum 4 which form the tissue 2 in these artificial mouth cavity, and the false membrane 5 are constituted by the gum ingredient, and are formed in the surroundings of the above-mentioned false jaw 1 in order of the false periosteum 3, the false gum 4, and the false membrane 5.

[0029] Formation of the above-mentioned false periosteum 3 is what is performed by forming the film of a latex in the front face of the above-mentioned false jaw 1. And formation of the film of the above-mentioned latex Carry out the dipping of the false jaw 1 to a latex, and it is pulled up slowly after that. This activity of a series of is completed because it is carried out by heating gently, rotating the false jaw 1 suitably so that a lappet may not arise in the latex adhering to the perimeter of the false jaw 1, the latex adhering to the front face of the false jaw 1 gels and a flow stops.

[0030] Furthermore, the above-mentioned activity will be repeated, formation of the false periosteum 3 will be completed by making it the thickness of which the thickness of the film of a latex is required by the false periosteum 3, and it will be covered with the false periosteum 3 to which the whole surroundings surface of the false jaw 1 changes from the film of a latex.

[0031] And formation of the above-mentioned false gum 4 winds about the urethane foam sheet 9 used as the base material of the false gum 4 around the surroundings of the false jaw 1 in which the false periosteum 3 was formed first, and carries out templating to the configuration which can cover the whole surroundings surface, and the urethane foam sheet 9 of a configuration as shown in drawing 3 is obtained by cutting.

[0032] Furthermore, although templating is performed at this time as the comparison location 10 of the urethane foam sheet 9 wound around the surroundings of the false jaw 1 about is caudad located rather than *** 8 inside [7] the false jaw 1, and the thing of various thickness is taken into consideration as the above-mentioned urethane foam sheet 9, in order to form the false gum 4 of the thickness near actual gum, a thing with a thickness of about 3 millimeters is desirable.

[0033] Subsequently, the above-mentioned type ***** urethane foam sheet 9 at the same time it sticks the front face of the false jaw 1 on the wrap false periosteum 3 It is what infiltrates a latex into the urethane foam sheet 9. This activity It is what is carried out while doubling the attachment location of the urethane foam sheet 9 to the false jaw 1. On the urethane foam sheet 9 with which alignment was performed, use a spoon etc. and a latex is placed. Furthermore, infiltrate a latex into the urethane foam sheet 9, making it rub, a latex is made to gel with pressurization and heating, and it is carried out by pasting up the front face of the false jaw 1 for the urethane foam sheet 9 on the wrap false periosteum 3.

[0034] And apply the above-mentioned activity to the outside 6 of the false jaw 1, and it begins the urethane foam sheet 9 carried out a little with some hauling from a ***** condition. When it carries out over the urethane foam sheet 9 whole surface and adhesion to the wrap false periosteum 3 ends the front face of the false jaw 1 of the urethane foam sheet 9 As shown in drawing 4 , the comparison location 10 of

the urethane foam sheet 9 rolled, turned and pasted up so that the false jaw 1 might be covered will be located under *** 8 inside [7] the false jaw 1.

[0035] Furthermore, a latex is fully infiltrated into the urethane foam sheet 9 which covered the above-mentioned false jaw 1. After sinking [of the latex to the above-mentioned urethane foam sheet 9] in is completed and the latex which sank in gels completely, By carrying out a dipping to a latex 1 - 2 times, or several times, and forming a smooth front face, formation of the false gum 4 will be completed and the latex which accomplishes further the smooth front face obtained by this will constitute the false membrane 5.

[0036] And after the above-mentioned activity is completed, the jaw model for a dental implant embedding operation by which the tissue 2 in an artificial mouth cavity was formed in the surroundings of the false jaw 1 is completed by leaving it in the dryer which kept it warm at overnight extent, a room temperature, or about 40 degrees C, as the latex which accomplishes the tissue 2 in an artificial mouth cavity is not contacted in other objects, and drying it completely.

[0037] Moreover, it is possible to form the tissue 2 in an artificial mouth cavity which reproduced the actual tissue in the oral cavity more faithfully by coloring beforehand the latex used in case the above-mentioned false periosteum 3, the false gum 4, and the false membrane 5 are formed.

[0038] Moreover, in the education and training of a dental implant embedding operation, improvement in the workability at the time of formation of the above-mentioned tissue 2 in an artificial mouth cavity can be aimed at by not forming the tissue 2 in an artificial mouth cavity in the part 11 in which the tissue 2 in an artificial mouth cavity does not need to be formed, i.e., the temporomandibular-joint part of the false jaw 1, but passing the wire 12 to this part.

[0039] In addition, since more various things than before are used as a gum ingredient used in case the above-mentioned tissue 2 in an artificial mouth cavity is formed and the same ingredient can be used also in this invention, it omits about the detail.

[0040] Next, the example of use of the above-mentioned jaw model for a dental implant embedding operation is explained based on drawing 5 and drawing 6. Drawing 5 and drawing 6 show the condition that the dental implant embedding operation was conducted, to the above-mentioned jaw model for a dental implant embedding operation, the implant 21 (part used as the root of tooth) is buried by the false jaw 1 of the model for a dental implant embedding operation, and this buried implant 21 is equipped with the up structure 22 (part used as a gear tooth).

[0041] An operation of as opposed to [in the above-mentioned dental implant embedding operation] the tissue in the wrap oral cavity for the surroundings of a jaw (incision, exfoliation, suture, etc.), Consist of operations (embedding of drilling and the implant etc.) to a jaw, and the operation to the above-mentioned tissue in the oral cavity The education and training are performed by the operation to the false jaw 1 from which the operation to the tissue 2 in an artificial mouth cavity which constitutes the jaw model for a dental implant operation, and the operation to the above-mentioned jaw constitute the jaw model for a dental implant embedding operation.

[0042] And while having the false periosteum 3, the false gum 4, and the false membrane 5, the above-mentioned tissue 2 in an artificial mouth cavity It is formed so that the surrounding whole surface of the false jaw 1 which constitutes the jaw model for a dental implant embedding operation may be covered. Since it is wide range in the tissue in the wrap oral cavity, and the surroundings of a jaw are reproduced, and the above-mentioned false gum 4 uses the urethane foam sheet 9 as a base material, infiltrates a gum ingredient into this, changes and is moreover reproducing the texture of actual gum good Operations (incision, exfoliation, suture, etc.) to the tissue in the oral cavity in the case of a dental implant embedding operation can be performed like an actual operation.

[0043] Furthermore, since the above-mentioned false jaw 1 consists of the Mitsuzo form model formed by the Mitsuzo form method equipped with the description that not only an objective external configuration but its internal configuration is reproducible and is reproducing faithfully not only the external configuration of a jaw but its internal configuration, it can perform operations (embedding of drilling and the implant etc.) to the jaw in the case of a dental implant embedding operation like an actual operation.

[0044] That is, since the jaw model for a dental implant embedding operation of this invention can perform the operation to the tissue in the oral cavity in a dental implant embedding operation, and an operation to a jaw like an actual operation as mentioned above, it can learn the knowledge over a dental implant embedding operation, and experience and a technique, and can aim at the improvement.

[0045] In addition, it carries out based on a patient's own CT image or own MRI image who forms the Mitsuzo form model which accomplishes the above-mentioned false jaw 1 for a dental implant embedding operation. By obtaining a patient's own jaw model for a dental implant embedding operation who conducts a dental implant embedding operation While being able to grasp correctly the configuration and gestalt of a patient's jaw, especially the internal configuration of a jaw, and the implant in the case of the dental implant embedding operation to the patient burying and being able to examine a location and an include angle in advance The optimal implant material for the patient can be chosen.

[0046] Furthermore, since the simulation of a dental implant embedding operation to the patient can be performed by obtaining a patient's own jaw model for a dental implant embedding operation, a dental implant embedding operation can be conducted more correctly and failure in an operation etc. can be prevented.

[0047] Moreover, since the jaw model for a dental implant embedding operation of this invention is reproducing the configuration and the gestalt of a jaw faithfully and it is reappearing not only to the external configuration but to an internal configuration especially about the jaw, of course, it is possible not only the education and training of a dental implant embedding operation but to apply to the education and training of an operation etc. relevant to a jaw.

[0048] In addition, although this example explains the case where the jaw model for a dental implant embedding operation reproducing a mandible is formed, the model for a dental implant embedding operation reproducing a maxilla can be formed similarly.

[0049]

[Effect of the Invention] According to this invention, the following effectiveness is done so as explained in full detail above. That is, since according to claim 1 the false jaw which constitutes a jaw model is reappearing not only to an external configuration but to the interior configuration, the tissue in an artificial mouth cavity which moreover constitutes a jaw model covers the whole surroundings surface of a false jaw, it reaches far and wide and the tissue in an artificial mouth cavity is reproduced, the jaw model for a dental implant embedding operation suitable for the education and training of a dental implant embedding operation can be offered.

[0050] And since a patient's own jaw model for a dental implant embedding operation who conducts a dental implant embedding operation is obtained according to claim 2, the simulation about a dental implant embedding operation can be carried out before an operation.

[0051] Furthermore, according to claim 3, it reappears good and, moreover, the texture of gum can offer the anxious jaw model for a dental implant embedding operation which bars the education and training of a dental implant embedding operation and which is not.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the perspective view showing the configuration of the jaw model for a dental implant embedding operation.

[Drawing 2] It is the sectional view which meets the X-X' line in drawing 1.

[Drawing 3] It is drawing showing the configuration of the urethane foam sheet used as the base material of ***** false gum.

[Drawing 4] It is drawing which looked at the false jaw which shows the condition of winding about the urethane foam sheet used as the base material of false gum around the surroundings of a false jaw from the inside.

[Drawing 5] It is the perspective view of the jaw model for a dental implant embedding operation in which the condition that the dental implant embedding operation was conducted is shown.

[Drawing 6] It is the sectional view which meets the Y-Y' line in drawing 5.

[Description of Notations]

1 False Jaw

2 Tissue in Artificial Mouth Cavity

3 False Periosteum

4 False Gum

5 False Membrane

6 Outside of False Jaw

7 Inside of False Jaw

8 **** inside False Jaw

9 Urethane Foam Sheet

10 Comparison Location

11 Temporomandibular-Joint Part

12 Wire

13 Space

21 Implant

22 Up Structure

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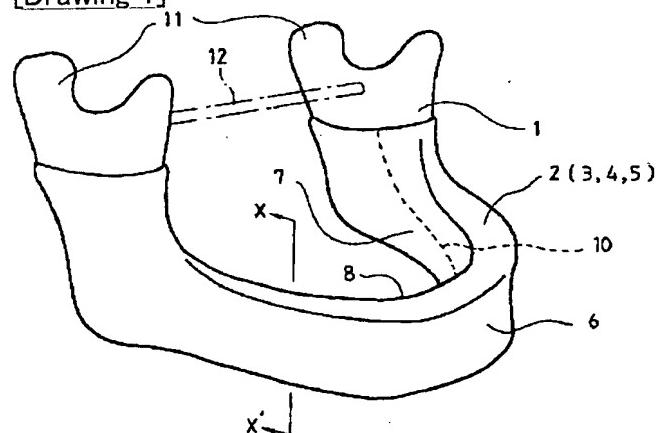
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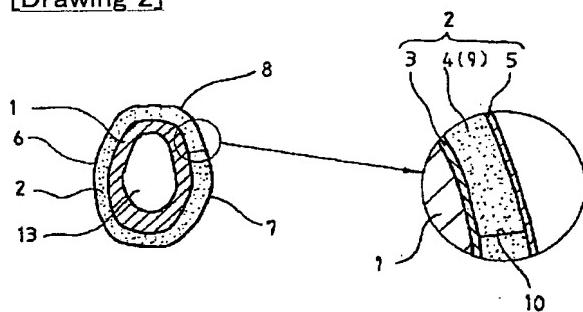
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DRAWINGS

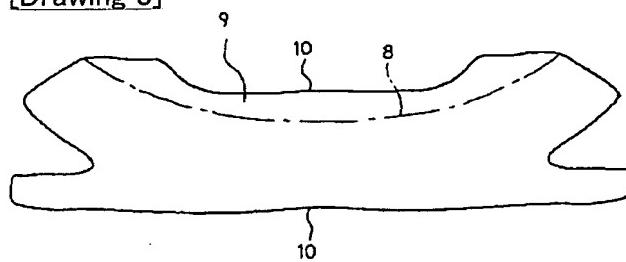
[Drawing 1]



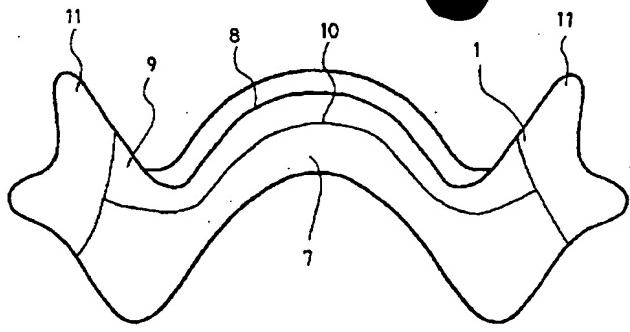
[Drawing 2]



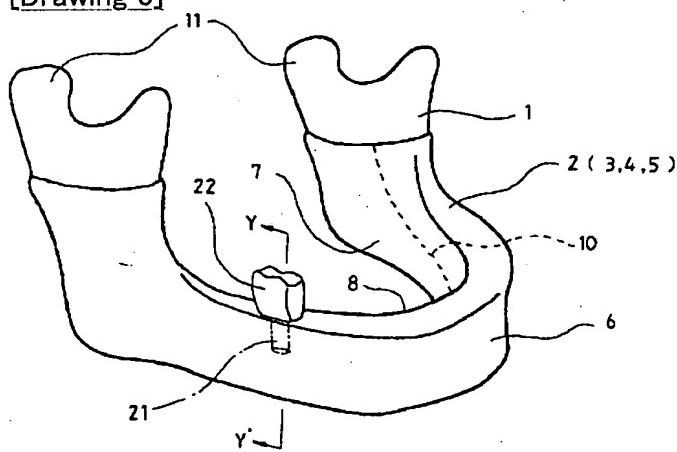
[Drawing 3]



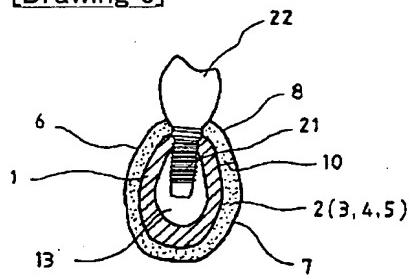
[Drawing 4]



[Drawing 5]



[Drawing 6]



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